

Errata sheet
for

Supporting Document 7
Item 8

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

TENTATIVE ORDER NO. R9-2004-0111
NPDES PERMIT NO. CA0108952

WASTE DISCHARGE REQUIREMENTS

FOR

SWEETWATER AUTHORITY
LOWER SWEETWATER RIVER BASIN
GROUNDWATER DEMINERALIZATION PLANT

SAN DIEGO COUNTY

The following changes to tentative Order No. R9-2004-0111 are made to clarify and correct the tentative Order. The deleted text is shown as *strikethrough*; added text is shown as *underlined*.

Any subsequent numbering and minor typographic editing such as table of contents and page numbering will be completed after the adoption of the tentative Order.

Findings

Modify **Finding 11** and add new **Finding No. 12** as noted and renumber the original Findings accordingly.

11. The RWD submitted by the discharger includes information that the various discharges from the facility contain total recoverable copper concentrations that are higher than the receiving water quality criterion listed in the CTR. The Implementation Policy allows the discharger to develop alternative conversion factors (translators to convert from dissolved concentrations to total recoverable concentrations) ~~for the discharges of metals~~ to determine compliance with water quality-based effluent limitations (WQBEL) for site-specific locations.
12. On June 3, 2004 the discharger submitted a letter committing to perform a translator study for copper in the discharge of demineralization brine water. The translator study will be conducted pursuant to the Implementation Policy and The Metal Translator:

Limitations

Modify **EFFLUENT LIMITATIONS B.** as follows:

B. EFFLUENT LIMITATIONS

1. The discharge of reverse osmosis brine concentrate shall not exceed the effluent limitations listed in *Table 1. Effluent Limitations for Brine Concentrate.*

Table 1. Effluent Limitations for Brine Concentrate.

Constituent	Units	Maximum Daily Effluent Limitations
Flow	Mgd	0.800
Copper	µg/L, total recoverable	3.73* (0.025 pounds/day)
Nitrate (as N)	µg/L	5.0 (33 pounds/day)
pH	Units	Within the limits of 6.0 to 9.0 at all times

* N.B. an interim effluent limitation for copper is provided for in Interim Effluent Limitations C.4.

2. The discharges of groundwater well-purge water, plant feed-water dump, pressure (air) relief valves, and chlorine contact-tank overflow shall not exceed effluent limitations noted in *Table 2. Effluent Limitations for Groundwater Well-purge Water, Plant Feed-water Dump, Pressure (Air) Relief Valves, and Chlorine Contact-tank Overflow.*

Table 2. Effluent Limitations for Groundwater Well-purge Water, Plant Feed-water Dump, Pressure (Air) Relief Valves, and Chlorine Contact-tank Overflow.

Constituent	Units	Maximum Daily Effluent Limitations
Chlorine Residual	mg/L	0
pH	Units	Within the limits of 6.0 to 9.0 at all times

3. The discharger shall not cause pollution, contamination, or nuisance, as those terms are defined in CWC 13050, as a result of the treatment or discharge of wastes.
4. All waste treatment, containment and disposal facilities shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.
5. All waste treatment, containment and disposal facilities shall be protected against erosion, overland runoff and other impacts resulting from a 100-year frequency 24-hour storm.

6. Collected screenings, sludges, and other solids removed from liquid wastes, shall be disposed of in a manner approved by this Regional Board.
7. The discharge of substances for which effluent limitations are not established in this Order shall be prevented, or, if the discharge cannot be prevented, minimized.

Modify **INTERIM EFFLUENT LIMITATIONS C.** as follows:

C. INTERIM EFFLUENT LIMITATIONS

~~If the discharger applies for and (1) commits to (a) completing a defensible site specific translator study and, (b) proposes a dissolved to total recoverable translator; and (2) describes the methods to be used in developing the translator prior to the adoption of this Order, then an~~ The interim effluent limitation for copper for the discharge of reverse osmosis brine concentrate shall not exceed a maximum daily effluent limitation of 3.1 µg/L as dissolved (0.021 pounds/day). The interim effluent limitation for copper shall terminate 2-years after the adoption of this Order. Upon evaluation of the proposed dissolved to total recoverable translator, this Order may be modified by the this Regional Board. Unless modified by this Regional Board, on June 10, 2006 the discharge of reverse osmosis brine concentrate shall not exceed the effluent limitations listed in Table 1. Effluent Limitations for Brine Concentrate.